

Abstract of the Disclosure

An apparatus of identifying software components includes
a user interface unit for obtaining object dependency and
object usages information from a user; a unit of defining
dependency weights for calculating weights of inter-object
dependency based on the object dependency and the usages
information; a unit of generating an object dependency network
for representing the degrees of object importance and inter-
object dependency by using the dependency weights; and a unit
of identifying software components for controlling the
component identification process by using the object
dependency network and the threshold values inputted by a user.

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